

KENWOOD

FM/AM TUNER

KT-2050L

INSTRUCTION MANUAL

KENWOOD CORPORATION

Introduction

Your choice of this product indicates that you are a devotee to excellence in sound reproduction.

We appreciate your patronage and take pride in the long tradition of quality components that our company represents.

So that you can get the most out of your unit, we suggest that you take the time to read through this manual before you hook up and operate your system. This will acquaint you with operating features and system-connection considerations so that your listening pleasure will be enhanced right from the start. You will notice that in all aspects of planning, engineering, styling, operating convenience and adaptability we have sought to anticipate your needs and desires.

Keep this manual handy for future reference.

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your dealer for information or service on this product.

Model _____ Serial Number _____

Unpacking

Unpack the unit carefully and make sure that all accessories are put aside so they will not be lost.

Examine the unit for any possibility of shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage.

We recommend that you retain the original carton and packing materials for use should you transport or ship the unit in the future.

Accessories

AM loop antenna 1

(The shape of the loop antenna provided may differ depending on the area.)



FM indoor antenna 1



Antenna adaptor 1



AM loop antenna holder 1



Audio cord 1



System control cord 1



Contents

Caution: Read the pages marked Δ carefully to ensure safe operation.

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Before applying power

⚠ Caution: Read this page carefully to ensure safe operation.

For the U.S.A. and Canada

Important!

Units shipped to the U.S.A. and Canada are designed for operation on 120 volts AC only.

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THE AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

For the United Kingdom

Important!

Units shipped to the U.K. are designed for operation on 240 volts AC only.

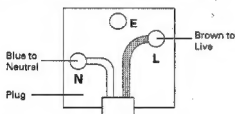
The mains plug must be removed from the wall socket prior to any internal examination.

The wires in this mains lead are coloured in accordance with the following code:

Blue Neutral
Brown Live

The wires in this mains lead must be connected to the terminals in the plug as follows:

Wire colour	Plug terminal marking
Blue	N or Black
Brown	L or Red



- Notes:
1. If a 13-amp plug is used, this must be fitted with a 13-amp fuse.
 2. If a 3-pin plug with earthing contact is used, no wire must be connected to the E terminal.

For Australia and Europe

Important!

Units shipped to Australia are designed for operation on 240 V AC only.

Units shipped to Europe are designed for operation on 230 V AC only.

For other countries

Important!

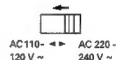
Units shipped to countries other than the above countries are equipped with an AC voltage selector switch on the rear panel. Refer to the following paragraph for the proper setting of this switch.

AC voltage selection

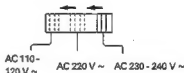
This unit operates on 110-120 or 220-240 volts AC. The AC voltage selector switch Type A or Type B on the rear panel is set to the voltage that prevails in the area to which the unit is shipped. Before connecting the power cord to your AC outlet, make sure that the setting position of this switch matches your line voltage. If not, it must be set to your voltage in accordance with the following direction.

AC voltage selector switch

Type A



Type B



Move switch lever to match your line voltage with a small screwdriver or other pointed tool.

Note:
Our warranty does not cover damage caused by excessive line voltage due to improper setting of the AC voltage selector switch.

Safety precautions

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

IMPORTANT SAFEGUARDS

 **Caution:** Read this page carefully to ensure safe operation.

Please read all of the safety and operating instructions before operating this unit. For best results, follow all warnings placed on the unit and adhere to the operating and use instructions. These safety and operating instructions should be retained for future reference.

- 1. Power sources** – The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

- 2. Power-cord protection** – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

Never pull or stretch the cord.

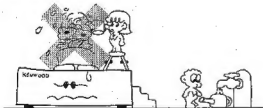


- 3. Grounding or polarization** – The precautions should be taken so that the grounding or polarization means of this unit is not defeated.

- 4. Ventilation** – The unit should be situated so that its location or position does not interfere with its proper ventilation. To maintain good ventilation, do not put records or a table-cloth on the unit. Place the unit at least 10 cm away from the walls. Do not use the unit on a bed, sofa, rug or similar surface that may block the ventilation openings.



- 5. Water and moisture** – The unit may not function properly if used at extremely low, or freezing temperatures. The ideal ambient temperature is above +5°C (41°F).



- 6. Temperature** – The unit may not function properly if used at extremely low, or freezing temperatures. The ideal ambient temperature is above +5°C (41°F).

- 7. Heat** – The unit should be situated away from heat sources such as radiators, heat registers, stoves, or other units (including amplifiers) that produce heat.



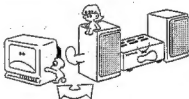
- 8. Electric shock** – Care should be taken so that objects do not fall and liquid is not spilled into the enclosure through openings. If a metal object, such as a hair pin or a needle, comes into contact with the inside of this unit, a dangerous electric shock may result. For families with children, never permit children to put anything, especially metal, inside this unit.



- 9. Enclosure removal** – Never remove the enclosure. If the internal parts are touched accidentally, a serious electric shock might occur.



- 10. Magnetic fields** – Keep the unit away from sources of magnetic fields such as TV sets, speaker systems, radios, motorized toys or magnetized objects.



- 11. Cleaning** – Do not use volatile solvents such as alcohol, paint thinner, gasoline, or benzene, etc. to clean the cabinet. Use a clean dry cloth.



- 12. Carts and stands** — An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



- 13. Nonuse periods** — The power cord of the unit should be unplugged from the outlet when left unused for a long period of time.

- 14. Abnormal smell** — If an abnormal smell or smoke is detected, immediately turn the power OFF and pull out the power cord. Contact your dealer or nearest service center.

POWER OFF!

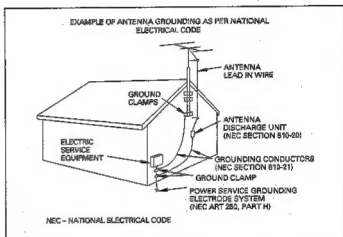


- 15. Damage requiring service** — The unit should be serviced by qualified service personnel when:

- A.** The power-supply cord or the plug has been damaged; or
- B.** Objects have fallen, or liquid has been spilled into the unit; or
- C.** The unit has been exposed to rain; or
- D.** The unit does not appear to operate normally or exhibits a marked change in performance; or
- E.** The unit has been dropped, or the enclosure damaged.

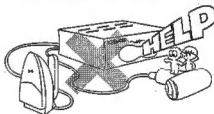
- 16. Servicing** — The user should not attempt to service the unit beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

- 17. Outdoor antenna grounding** — If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure.



- 18. Power lines** — An outdoor antenna should be located away from power lines.

- 19. AC outlets** — Do not connect other audio equipment with a power consumption larger than that specified to the AC outlet on the rear panel. Never connect other electrical units, such as an iron or toaster, to it to prevent fire or electric shock.



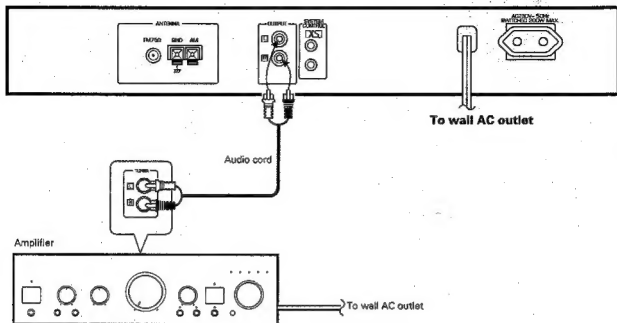
Notes:

- 1. Item 3 is not required except for grounded or polarized equipment.
- 2. Item 17 and 18 are not required except for units provided with antenna terminals.
- 3. Item 17 complies with UL in the U.S.A.

System connections

Make connections as shown below. When connecting the related system components, refer also to the instruction manuals of the related components.

Do not plug in the power lead until all connections are completed.

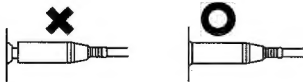


System control connection

When connected to an amplifier having KENWOOD SYSTEM CONTROL terminals, system operation such as remote control is made possible. For details, refer to the instruction manual of the amplifier or receiver.

If your amplifier or receiver is not equipped with the SYSTEM CONTROL terminals, do not connect anything to any SYSTEM CONTROL terminal.

Do not connect the unit in any system configuration other than specified.



- Be sure to insert the system control cord plugs fully into the SYSTEM CONTROL terminals.
- If the system control cord and audio cords are not connected properly, the automatic system governing remote control and system functions will not operate.

AC outlets on the rear panel

Unit destination	Shape of the AC outlet
For U.K.	*
For Europe	

* Caution (For U.K.)

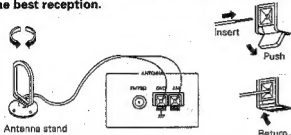
When using the AC outlets equipped with this unit, be sure to consult your dealer for the corresponding plug.

Notes:

1. Connect all cords firmly. If connections are loose, there could be loss of sound or noise produced.
2. When plugging and unplugging connection cords, be sure to first remove the power cord from the AC outlet. Plugging / unplugging connection cords without removal of the power cord can cause malfunctions or damage to the unit.
3. Do not connect up a power source which is larger than that indicated on the socket at the rear of the unit.

■ AM loop antenna connection

The supplied antenna is for indoor use. Place it as far as possible from the main system, TV set, speaker cords and power cord, and set it to a direction which provides the best reception.

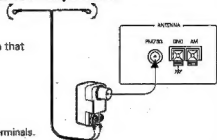


■ FM indoor antenna connection

The supplied antenna is for indoor use. For stable reception, remove the indoor antenna after installing an outdoor antenna as soon as possible.

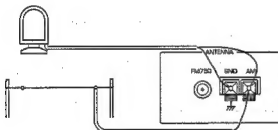
- ① Find the position that provides best reception.
- ② Fix two ends.

Connect to the screw terminals.



■ AM outdoor antenna connection

If the reception is poor when the AM loop antenna is used, distribute a vinyl-coated wire of more than 6 meters outdoors, without disconnecting the loop antenna.



■ FM outdoor antenna connection

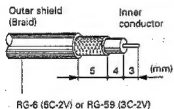
It is recommended to install an exclusive FM outdoor antenna to capture FM broadcast with high sound quality.

Use a coaxial cable for the connection between the outdoor antenna and FM ANTENNA terminal on the rear panel. For the connection between the coaxial cable and FM ANTENNA terminal, please refer to the illustration.

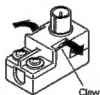


■ 75 Ω coaxial cable connection

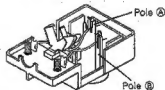
- ① Arrange the coaxial cable as illustrated.



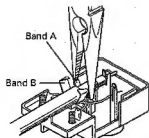
- ② Open the antenna adaptor. Open the claws with the fingers to release the lock and pull out the cover.



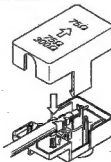
- ③ Remove the inner conductor from the groove of pole ① and insert it in the groove of pole ②.



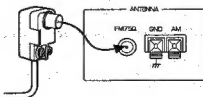
- ④ Insert into the slit on the clip. Fasten the bands A and B, using a pair of pliers.



- ⑤ Close the cover.

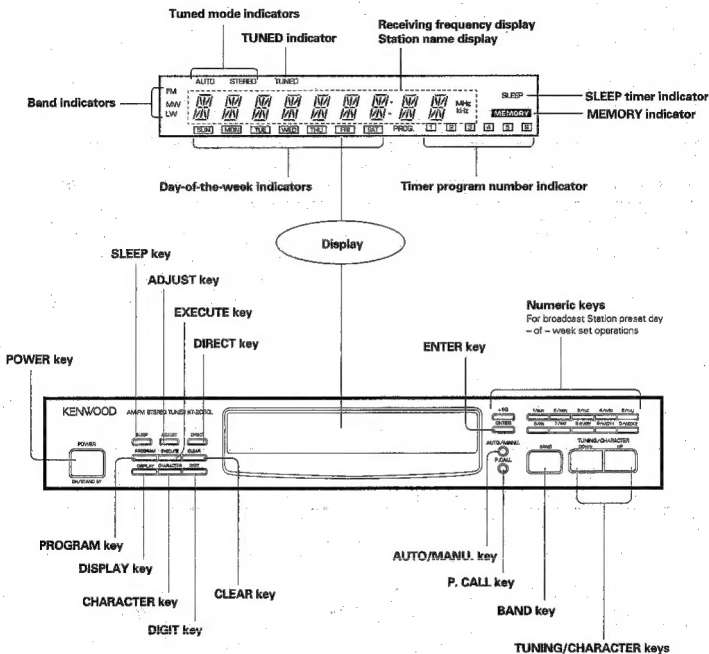


- ⑥ Connect the adaptor to the antenna terminal.



Note: When using a 300Ω feeder cable, insert its cores into the groove of pole A.

Controls and indicators

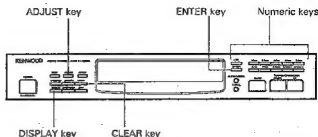


STAND BY mode of POWER switch

When the power cord of this system is plugged into an AC outlet, the display lights up regardless of the ON/OFF setting of the POWER switch. This indicates that a small amount of current is being supplied to the unit to back up the memory contents. This mode is referred to as the Stand By mode.

Time adjustment

The tuner incorporates the clock function. Adjust the clock to the exact time, especially when the timer function is to be used.



1 Press the ADJUST key.



INPUT YEAR

YEAR 91

2 Input the year using the numeric keys, and press the ENTER key.

To input 1993: press 1, 9, 9, 3.



- If you commit a mistake in the input of numeric keys, press the **CLEAR** key, and re-start the input from the beginning.

YEAR 1993

INPUT DATE

3 Input the month then the day, and press the ENTER key.

To input March 7: press 0, 3, 0, 7.



To input December 30: press 1, 2, 3, 0.

- If you commit a mistake in the input of numeric keys, press the **CLEAR** key, and re-start the input from the beginning.

DATE 0101

DATE 1230

4 Input the time of the day.

To input 9:05AM: press 0, 9, 0, 5.

To input 4:50PM: press 1, 5, 5, 0.

Use the 24-hour system.

- If you commit a mistake in the input of numeric keys, press the **CLEAR** key, and re-start the input from the beginning.

TIME 0000

TIME 1650

5 Press the ENTER key.



TIME 1650

END

Clock starts to work.

Note:

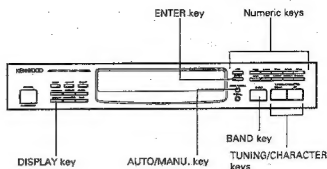
The time display blinks after a power failure or when the power cord was unplugged from the power outlet. In this case, adjust the time again.

Displayed contents and DISPLAY key

Every time the **DISPLAY** key is pressed while a radio station is received, the displayed contents is switched to the frequency to the station name, present time, and date (month and day). When a key associated with tuning is pressed while the date or time is being displayed, it is switched to the frequency display, and returns to the previous content in a few seconds. When the **DISPLAY** key is pressed while the power is OFF, the displayed content is switched alternately between the date and time.

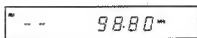
Reception of radio broadcast

Receiving broadcast stations and storing them in memory (preset operation)



1 Display the frequency display.

- Every time the **DISPLAY** key is pressed, the displayed contents are switched in order of Frequency → Broadcast station name → Present time → Date (month & day).



Frequency display

2 Select the broadcast band.

- The frequency is displayed for a few seconds when a key associated with tuning is pressed.



The bands are switched as follows every time the **BAND** key is pressed.

FM → MW → LW

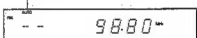
3 Select the tuning mode.

- Normally, select the auto mode (with AUTO lighted).

AUTO/MANU.

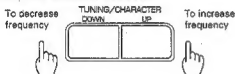


AUTO indicator



Press the key to select the auto (AUTO lighted) or manual (not lighted) mode.

4 Tune the desired station.



- The TUNED indicator lights up when a station is received.
- Use manual tuning mode when the radio wave is weak and noisy. At this time, the stereo FM broadcast is received in monaural mode.

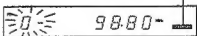
Auto tuning mode	Manual tuning mode
Press once. (Tuning stops automatically when a station is received.)	Press repeatedly, or press and hold, until the desired station is received.

5 Store the station in preset memory.

- Press the **ENTER** key.



MEMORY lights up for approx. 5 sec.



- Proceed to step ② before **MEMORY** stops lighting.

- Press the desired numeric key.



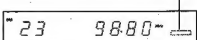
Examples of input

To select preset No. 15: **+10** **5**

To select preset No. 20: **+10** **+10** **0**

- When a station has previously been preset under the numeric key pressed, the newly preset station replaces the previous station.
- When preset is to be continued, repeat steps 2 to 5.
- Up to 30 broadcast stations can be preset regardless of the broadcasting bands.

MEMORY goes off.



■ Receiving a preset station

Select the desired station.

Press the numeric key under which the station is preset.



Examples of input

- To select preset No. 3: **3**
- To select preset No. 10: **+10 0**
- To select preset No. 23: **+10 +10 3**
- To select preset No. 30: **+10 +10 +10 0**

- The frequency of the station received will be displayed.

■ Listening to all preset stations in sequence (PRESET CALL)

Press the P.CALL key.



- With the key on the tuner main unit, preset stations are received in order to 1 → 2 → 3 ... 10 ... 20 ... 30 → 1 ..., every time the key is pressed.
- When a key is held depressed, the preset station are received in sequence at 0.5-second intervals. The station being received when the key is released will continue to be received.

Memory backup

Even if the power cord is unplugged from the AC outlet, the preset memory contents will be backed up for three days.

■ Direct tuning of radio stations

If you know the frequency of the desired station, it can be received directly by inputting the frequency using the numeric keys.

1 Select the broadcast band.

- One of FM or MW or LW.



2 Press the DIRECT key.



3 Input the frequency of the desired station by pressing the numeric keys.



Example of input

Desired station	Order of pressing numeric keys
FM 90 MHz	9, 0, 0, 0
FM 102.5 MHz	1, 0, 2, 5, 0
MW 810 kHz	8, 1, 0
MW 1260 kHz	1, 2, 6, 0

- If you commit a mistake in the input of numeric keys, press the **CLEAR** key, and re-start the input from the beginning.

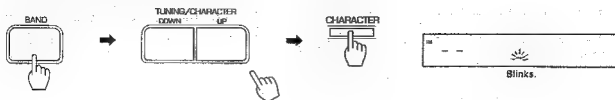
Last channel memory

When the power is turned ON or the BAND key is pressed to switch the band (FM, MW or LW), the last station previously received is automatically tuned in.

■ Displaying station names

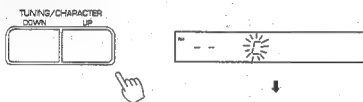
Station names composed of up to four digits of characters and / or symbols can be displayed on the receiver display. Example: To receive FM 93.4 MHz, input its name with characters "CBE", and preset them under numeric key 3.

1 Receive FM 93.4MHz, and enter the character input mode.



2 Select the characters to be displayed with that station.

① Display the desired character.



② Establish the selection.



③ Repeat steps ① and ② until all of the required characters have been input.

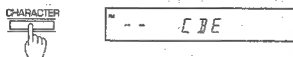
- To select "C", press the UP segment three times.
- To insert a space, simply press the **[DIGIT]** key.

Types of characters that can be input

After having pressed the **[CHARACTER]** key, press the **[TUNING/CHARACTER]** key to display the characters available.

ABCD XYZ \ * + - /
98765 3210
Blank position

3 End the character input.



- The character input also terminates automatically when fourth character has been input.
- Press the **[CHARACTER]** key to terminate character input with three characters or less.



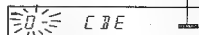
In case you commit an input mistake, press the **[CLEAR]** key and re-start from the first digit.

4 Preset them under key 3.

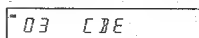
① Press the ENTER key.



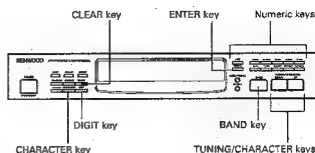
[MEMORY] lights up.



② Press numeric key 3.



Press while **[MEMORY]** lights.



■ Changing a station name

Example: To change station name "FHN8" preset with AM (MW) 810 kHz frequency under numeric key 2 to "FEN".

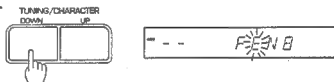
- 1 Receive preset station of 2 by preset tuning, and enter the character input stand-by mode.



- 2 Move the blinking digit to the second digit.



- 3 Select "E" with the TUNING/CHARACTER key.



- 4 Move the blinking digit by two digits.

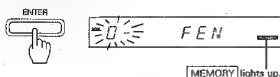


- 5 Select the blank with the TUNING/CHARACTER key.



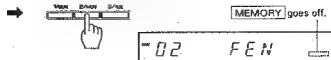
- 6 Preset the new name under numeric key 2.

- 1 Press the ENTER key.



- 2 Press numeric key 2.

Press while MEMORY is lighted.

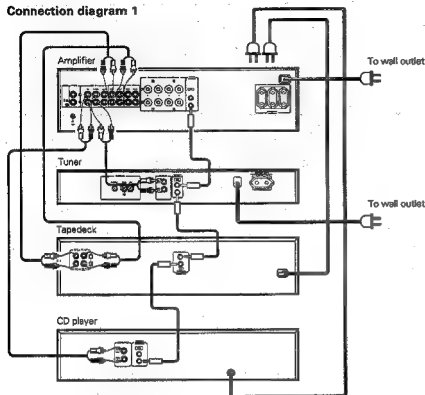


Timer operations

To carry out the broadcast reception, tape playback, CD play or unattended recording using the built-in timer, be sure to connect the system control cords as shown below.

1. Connecting to the KENWOOD amplifier with system control terminal

Connection diagram 1

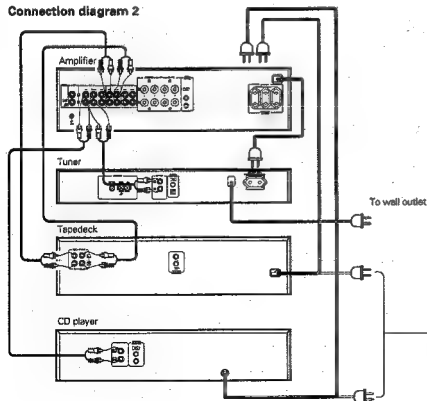


With the POWER key of the **amplifier**, whole power can be turned ON/OFF.

- For the type of the AC outlet, refer to page 6.

2. Connecting to the amplifier without system control terminal

Connection diagram 2



With the POWER key of the **tuner**, whole power can be turned ON/OFF.

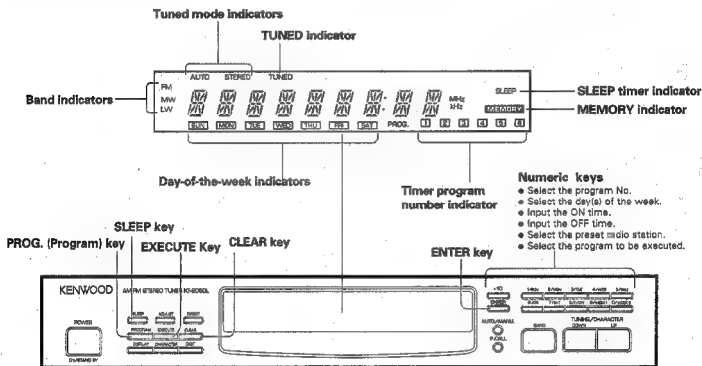
If the amplifier to be connected has no AC outlet, connect the power cord to a wall AC outlet. With this connection, timer operation of the tape deck and CD player is not possible.

The timer of the system can be used for the following functions.

Program timer : Receives broadcast, records broadcast or plays tape or CD at the specified ON time, and switches power OFF at the specified OFF time.
Up to six timer programs can be set.

Sleep timer: Switches power OFF after a set time period has elapsed. If set before you go to bed, power can be switched OFF automatically even after you fell in sleep.

- For the timer setting procedures, read description on the next page and after.
- The contents of timer programs can be modified as required.
- Even when a timer program has been input, the timer will not be activated unless its execution has been activated.
- Once set, the contents of a program cannot be cleared at once. The previous contents can only be cleared when they are replaced by modification.
- The programs must be set so that their time ranges do not overlap.



Types of days of the weeks which can be selected by numeric keys

1. To execute a program only once on the specified day of the week after its execution has been activated.

Numeric keys

Sunday	1/SUN
Monday	2/MON
Tuesday	3/TUE
Wednesday	4/WED
Thursday	5/THU
Friday	6/FRI
Saturday	7/SAT

- If it is required to activate the timer in the same time period of the next week, activate the execution again.

2. To execute a program repeatedly on every week after its execution has been activated.

Numeric keys

Every day from Monday to Sunday	9/EVERY
Every day from Monday to Saturday	9/WEEK1
Every day from Monday to Friday	0/WEEK2

- If timer operation is not required, cancel the program execution.

■ Timer reception of radio broadcast

1 Switch the power ON.

- Press the **[POWER]** key of the amplifier when the unit is connected as shown in Connection diagram 1.
- Press the **[POWER]** key of the tuner when the unit is connected as shown in Connection diagram 2.



2 Select the program setting mode.



- The program No. indicators (1 to 6) blink.

3 Select the program No. to be used.



Press within 8 seconds.



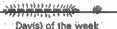
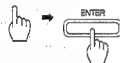
Select from 1 to 6.

- The selected program No. indicator blinks.

4 Specify the day(s) of the week with the numeric keys.



SELECT DAY



Day(s) of the week

5 Input the ON time with the numeric keys.

6:30 AM: 0 6 3 0



INPUT ON TIME

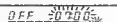


6 Input the OFF time with the numeric keys.

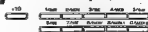
7:00 AM: 0 7 0 0



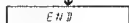
INPUT OFF TIME



7 Select the preset No. to be received.



SELECT PRESET



- The station must be preset previously.

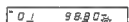
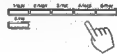
8 Activate the execution of the program.



SELECT PROGRAM



- Select the program No. to be executed by pressing the numeric key under which it is set.



- The selected program No. indicator lights up.

9 Adjust the volume and tone.

Refer to the instructions supplied with the amplifier.

10 Set the TIMER switch of the cassette deck to OFF.

- Make sure that no disc is on the CD player's disc tray.

11 Switch the power OFF.

- Press the **[POWER]** key of the amplifier when the unit is connected as shown in Connection diagram 1.
- Press the **[POWER]** key of the tuner when the unit is connected as shown in Connection diagram 2.



To continue the reception of radio station which has been started to be received by timer ON:

- Press the **[CLEAR]** key before the OFF time comes.
 - Press the numeric key for the program No. being executed.
- When the program No. indicator goes off, it means that the program will be received continuously.

Notes:

- When a program has previously been set in the program No. selected in step 3, the newly-set program replaces the previous program.
- Do not operate the **[CLEAR]** key or **[POWER]** key while the timer program execution has been activated; otherwise malfunction will occur.

To change the program

During the setting operation



After setting is completed

Repeat the programming procedure from step 2.

■ Timer recording of radio broadcast

1 Switch the power ON.

- Press the **[POWER]** key of the amplifier when the unit is connected as shown in Connection diagram 1.
- Press the **[POWER]** key of the tuner when the unit is connected as shown in Connection diagram 2.



2 Select the program setting mode.

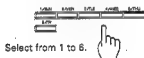


SELECT PROGRAM

PHD

- The program No. indicators (1 to 6) blink.

3 Select the program No. to be used.

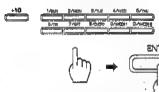


Press within 8 seconds.



- The selected program No. indicator blinks.

4 Specify the day(s) of the week with the numeric keys.



SELECT DAY

Days(s) of the week

5 Input the ON time with the numeric keys.

0:00 AM: 0 0 0 0



INPUT ON TIME

ON 00:00

6 Input the OFF time with the numeric keys.

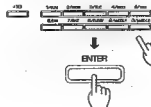
0:30 AM: 0 0 3 0



INPUT OFF TIME

OFF 00:30

7 Select the preset No. to be received.



SELECT PRESET

PRESET 92.50

END

- The station must be preset previously.

8 Select the REC mode.

Refer to the instruction supplied with the cassette deck.

9 Adjust the recording level.

Refer to the instruction supplied with the cassette deck.

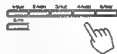
10 Activate the execution of the program.



SELECT PROGRAM

PHD

- Select the program No. to be executed by pressing the numeric key under which it is set.



01 98.80

- The selected program No. indicator lights up.

11 Set the TIMER switch of the cassette deck to REC.



- Make sure that no disc is on the CD player's disc tray.

12 Switch the power OFF.

- Press the **[POWER]** key of the amplifier when the unit is connected as shown in Connection diagram 1.
- Press the **[POWER]** key of the tuner when the unit is connected as shown in Connection diagram 2.



Notes:

- When a program has previously been set in the program No. selected in step 3, the newly-set program replaces the previous program.
- Do not operate the **[CLEAR]** key or **[POWER]** key while the timer program execution has been activated; otherwise malfunction will occur.

To change the program

During the setting operation



After setting is completed

Repeat the programming procedure from step 2.

■ Timer playback of CD

1 Switch the power ON.

- Press the **[POWER]** key of the amplifier when the unit is connected as shown in Connection diagram 1.
- Press the **[POWER]** key of the tuner when the unit is connected as shown in Connection diagram 2.



2 Select the program setting mode.



SELECT PROGRAM

PHO

- The program No. indicators (1 to 6) blink.

3 Select the program No. to be used.



Press within 8 seconds.

Select from 1 to 6.



- The selected program No. indicator blinks.

4 Specify the day(s) of the week with the numeric keys.



SELECT DAY



Day(s) of the week

5 Input the ON time with the numeric keys.

8:30 AM: 8 8 3 0



INPUT ON TIME

ON 8:30 AM

6 Input the OFF time with the numeric keys.

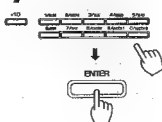
7:00 AM: 7 0 0 0



INPUT OFF TIME

OFF 7:00 AM

7 Select the preset No. to be received.



SELECT PRESET

92.50

END

8 Load a CD to be played.

Refer to the instruction supplied with the CD player.

9 Activate the execution of the program.



SELECT PROGRAM

PHO

- Select the program No. to be executed by pressing the numeric key under which it is set.



01 98.80

- The selected program No. indicator lights up.

10 Adjust the volume and tone.

Refer to the instruction supplied with the amplifier.

11 Set the TIMER switch of the cassette deck to OFF.



12 Switch the power OFF.

- Press the **[POWER]** key of the amplifier when the unit is connected as shown in Connection diagram 1.
- Press the **[POWER]** key of the tuner when the unit is connected as shown in Connection diagram 2.



Notes:

- When a program has previously been set in the program No. selected in step 3, the newly-set program replaces the previous program.
- Do not operate the **[CLEAR]** key or **[POWER]** key while the timer program execution has been activated; otherwise malfunction will occur.
- When the unit is connected as shown in Connection diagram 2 on page 14, be sure to set the input selector of the amplifier to CD.

To change the program

During the setting operation



After setting is completed

Repeat the programming procedure from step 2.

■ Timer playback of tape

1 Switch the power ON.

- Press the **[POWER]** key of the amplifier when the unit is connected as shown in Connection diagram 1.
- Press the **[POWER]** key of the tuner when the unit is connected as shown in Connection diagram 2.

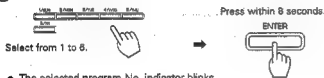


2 Select the program setting mode.



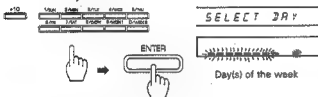
- The program No. indicators (1 to 6) blink.

3 Select the program No. to be used.

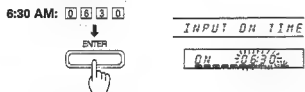


- The selected program No. indicator blinks.

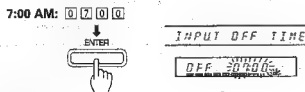
4 Specify the day(s) of the week with the numeric keys.



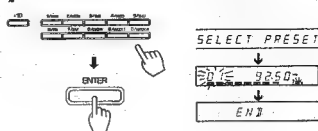
5 Input the ON time with the numeric keys.



6 Input the OFF time with the numeric keys.



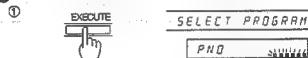
7 Select the preset No. to be received.



8 Load a cassette to be played.

Refer to the instruction supplied with the cassette deck.

9 Activate the execution of the program.



- Select the program No. to be executed by pressing the numeric key under which it is set.



- The selected program No. indicator lights up.

10 Adjust the volume and tone.

Refer to the instruction supplied with the amplifier.

11 Set the TIMER switch of the cassette deck to PLAY.



12 Switch the power OFF.

- Press the **[POWER]** key of the amplifier when the unit is connected as shown in Connection diagram 1.
- Press the **[POWER]** key of the tuner when the unit is connected as shown in Connection diagram 2.



Notes:

- When a program has previously been set in the program No. selected in step 3, the newly-set program replaces the previous program.
- Do not operate the **[CLEAR]** key or **[POWER]** key while the timer program execution has been activated; otherwise malfunction will occur.
- When the unit is connected as shown in Connection diagram 2 on page 14, be sure to set the input selector of the amplifier to TAPE.

To change the program

During the setting operation



After setting is completed

Repeat the programming procedure from step 2.

Timer operations

Be sure to adjust the present time before proceeding the following.

■ To check timer program contents

1 Press the PROGRAM key.



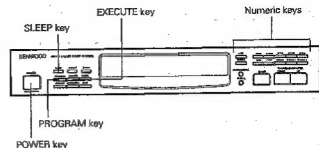
SELECT PROGRAM

2 Press the numeric key corresponding to the program to be checked.



PND

- If no program is selected while the program No. indicators are blinking, the previous display condition resumes.
- When a program is selected, its contents will be displayed for about 3 seconds, and the previous display resumes after it.



■ Operation of sleep timer

The sleep timer allows to turn the system power off after the specified period has elapsed. This function may be most convenient when you like to fall in sleep while listening to music.

The period can be set up to 90 minutes in 10-minute steps. The sleep timer is applied in priority over other timer programs.

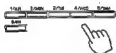
■ To cancel timer program execution

1 Press the CLEAR key.



SELECT PROGRAM

2 Press the numeric key corresponding to the program the execution of which is to be cleared.



Program No.

PND

Select the number with a numeric key.

01 9880

- The program contents are not cleared even when its execution is cancelled.

1 Switch the power ON.



- Press the [POWER] key for the amplifier when the unit is connected as shown in Connection diagram 1.
- Press the [POWER] key of the tuner when the unit is connected as shown in Connection diagram. 2.

2 Specify the period after which the power is to be switched OFF.

Press the SLEEP key.



SLEEP lights up.

90

→ 30 → 20 → 10 → Canceled

- Each press decreases the period by 10 minutes.

Re-activation of timer execution after cancelling it.

Since the program itself is retained in memory, check its contents and perform the operation from the step "Activate the execution of the program" as follows.

- 1 Press EXECUTE key.
- 2 Select the program No. to be executed by pressing the numeric key under which it is set.
- 3 Adjust the volume and tone in case of timer reception of broadcast or timer playback of CD or tape.
- 4 Switch the power OFF.

To cancel sleep timer

Press the SLEEP key until the sleep timer is cancelled, or switch the power OFF.



In case of difficulty

What appears to be a malfunction may not always be serious. If your unit should not perform as expected, consult the table below to see if the problem can be corrected before seeking help from your dealer or service representative.

Symptom	Cause	Remedy
Power cannot be tuned ON.	<ul style="list-style-type: none">• The power cord is disconnected from the wall AC outlet.	<ul style="list-style-type: none">• Insert the power cord securely into the wall AC outlet.
The clock display is blinking without changing from a certain time.	<ul style="list-style-type: none">• There was a power failure.• The power cord was unplugged.	<ul style="list-style-type: none">• Set the current time again.• Set the current time again.
The timer does not work.	<ul style="list-style-type: none">• The current time is not set, or there was a power failure.• The timer ON time and OFF time have not been set.• The timer execution has not been specified.	<ul style="list-style-type: none">• Set the current time referring to "Time adjustment".• Set the timer ON time and OFF time.• Specify execution by pressing the EXECUTE key.
Radio stations cannot be received.	<ul style="list-style-type: none">• No antenna is connected.• The broadcast band is not set properly.• The frequency of the desired station is not tuned.	<ul style="list-style-type: none">• Connect an antenna.• Set the broadcast band properly.• Tune the frequency of the desired station.
A station which was preset cannot be received by pressing the corresponding numeric key.	<ul style="list-style-type: none">• The preset station belongs to a frequency that cannot be received.• The preset memory was cleared because the power cord had been unplugged for a long period of time.	<ul style="list-style-type: none">• Preset a station with a receivable frequency.• Preset the station again.
Interference.	<ul style="list-style-type: none">• Noise due to ignition noise of an automobile.• Noise due to an influence from an electric appliance.• Noise due to a nearby TV set.	<ul style="list-style-type: none">• Install the outdoor antenna apart from the road.• Turn off the power of the appliance.• Install the system more apart from the TV set.

Notes:

1. This system is microprocessor-controlled, so malfunction may occur due to external noise or interference noise. In such a case, unplug the power cord, plug it and turn power on again.
2. Do not use contact cleaners because it could cause a malfunction. Be specially careful against contact cleaners containing oil, for they may deform the plastic components.

Specifications

⚠ Caution : Read this page carefully to ensure safe operation.

FM tuner section

Tuning frequency range 87.5 MHz – 108 MHz
Usable sensitivity (DIN at 75Ω)

MONO 0.7 μV

STEREO 22 μV

Total harmonic distortion (DIN at 1 kHz 65.2 dBf input)

MONO 0.15 %

STEREO 0.4 %

Signal to Noise ratio (DIN weighted at 1 kHz, 65.2 dBf input)

MONO 68 dB

STEREO 63 dB

Stereo separation (DIN)

1 kHz 48 dB

Alternate channel selectivity

(DIN ±300 kHz) 64 dB

Frequency response

(30 Hz – 15 kHz) +0.5 dB, -2 dB

Output level/Impedance

(at 1 kHz, 75 kHz dev.) 0.6 V/3.3 kΩ

MW tuner section

Tuning frequency range 531 kHz – 1,602 kHz
Usable sensitivity 13 μV/(400 μV/m)

Signal to noise ratio

(at 30% mod. 1 mV input) 50 dB

Total harmonic distortion 0.5 %

LW Tuner section

Tuning frequency range 153 kHz – 281 kHz

Usable sensitivity 22 μV

Signal to noise ratio

(at 30 % mod. 1 mV input) 47 dB

Total harmonic distortion 0.6 %

Output level/Impedance

(at 30 % mod. 1 mV input) 180 mV/3.3 kΩ

General

Power consumption 12 W

AC outlet

SWITCHED 1 (200W max.)

Dimensions W: 440 mm (17 – 5/16")

H: 79 mm (3 – 1/8")

D: 264 mm (10 – 3/8")

Weight (Net) 2.8 kg (5/7 lb)

Note:

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Note:

The unit's power supply is secondarily connected. Note following.
The unit is not completely disconnected from the mains as long as the power cord is connected to a wall outlet.

Observera:

Apparatens strömförsörjning kopplas från sekundärt. V.g.ge akt på följande.

Apparaten frångöpplas inte helt och hållet från strömnätet medan apparatens nätsladd är ansluten till växelströmsuttaget.

Huom:

Virta yksikköön on kytketty pois sekundaaripuolelta. Huomioi seuraava.
Tämä yksikkö ei ole kokonaan kytketty pois pää viranjakajasta kun pää katkaisin on liitettyä virtatiliin.

Bemærk:

Strømmen til apparatet afbrydes på den sekundære side. Vær opmærksom på følgende.

Denne enhed er ikke fuldstændig koblet fra lysnettet så længe stikket er tilsluttet stikkontakten.

Anmerkning:

Strømmen til apparatet er slått av på sekundærsiden. Vær oppmerksom på det følgende.

Dette apparatet koples ikke fullstendig fra nettet så lenge støpslet står i en stikkontakt, selv om strømbryteren settes i av – stilling.